**********
**USACE / NAVFAC / AFCESA** **UFGS-L-01575N (OCTOBER 2003)**

**Preparing Activity: LANTNAVFACENGCOM** **Superseding UFGS-L-01575N (JUNE 2003)**

**UNIFIED FACILITIES GUIDE SPECIFICATIONS**

**Use for LANTNAVFACENGCOM projects only**

**Latest change indicated by CHG tags**
**********

SECTION TABLE OF CONTENTS

DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01575N

TEMPORARY ENVIRONMENTAL CONTROLS (GTMO)

**10/03**


PART 1 GENERAL

1.1 REFERENCES
1.2 DEFINITIONS
1.2.1 Sediment
1.2.2 Solid Waste
1.2.3 Sanitary Wastes
1.2.4 Rubbish
1.2.5 Chemical Wastes
1.2.6 Garbage
1.2.7 Hazardous Waste
1.2.8 Oily Waste
1.2.9 Class I and Class II Ozone Depleting Substance (ODS)
1.2.10 Debris
1.2.11 Hazardous Materials
1.2.12 Waste Hazardous Material (WHM)
1.2.13 Landscape Features
1.2.14 Lead Acid Battery Electrolyte
1.3 SUBMITTALS
1.4 CONTRACTOR LIABILITIES FOR ENVIRONMENTAL PROTECTION
1.5 FUEL TANKS
1.6 CLASS I ODS PROHIBITION
1.7 WHM/HW MATERIALS PROHIBITION
1.8 ENVIRONMENTAL PROTECTION REQUIREMENTS
1.8.1 Licenses and Permits
1.9 ENVIRONMENTAL PROTECTION PLAN
1.9.1 Contents of Environmental Protection Plan (EPP)
1.9.2 Environmental Protection Plan Format
1.9.3 Environmental Protection Plan Review
1.9.4 Preconstruction Survey
1.10 HAZARDOUS MATERIALS USE
1.10.1 Disposal Costs (Responsability)

PART 2 PRODUCTS

PART 3 EXECUTION

3.1 PROTECTION OF NATURAL RESOURCES
3.1.1 Land Resources
3.1.1.1 Protection of Trees
3.1.1.2 Landscape Replacement
3.1.2 Water Resources
3.1.2.1 Oily and Hazardous Substances
3.1.3 Fish and Wildlife Resources
3.1.4 Temporary Construction
3.2 HISTORICAL AND ARCHAEOLOGICAL RESOURCES
3.3 EROSION AND SEDIMENT CONTROL MEASURES
3.3.1 Burnoff
3.3.2 Temporary Protection of Erodible Soils
3.3.2.1 Mechanical Retardation and Control of Runoff
3.3.2.2 Sediment Basins
3.3.2.3 Vegetation and Mulch
3.4 CONTROL AND DISPOSAL OF SOLID WASTES
3.4.1 Disposal of Solid Waste, Debris, Chemical or Hazardous Substances
3.4.1.1 Base Sanitary Landfill and Concrete Areas
3.4.2 Disposal of Rubbish and Debris
3.4.3 Sewage
3.5 CONTROL AND DISPOSAL OF HAZARDOUS WASTE
3.5.1 Hazardous Waste Generation
3.5.2 Hazardous Waste Disposal
3.5.3 Hazardous Waste (HW) Accumulation
3.5.4 Spills of Oil and Hazardous Materials
3.5.5 Lead-Acid Batteries
3.5.6 Mercury Control
3.5.7 Petroleum Products
3.5.8 Class I and Class II Ozone Depleting Substances (ODS)
3.6 DUST CONTROL
3.7 NOISE
3.8 RESTRICTIONS ON RADIO TRANSMITTER EQUIPMENT
3.9 CLASS I & II ODS PROHIBITION
3.10 CONTRACT COMPLETION/CLOSE-OUT

-- End of Section Table of Contents --

**********
**USACE / NAVFAC / AFCESA** | **UFGS-L-01575N (OCTOBER 2003)**

**Preparing Activity: LANTNAVFACENGCOM** | **Superseding UFGS-L-01575N (JUNE 2003)**

**UNIFIED FACILITIES GUIDE SPECIFICATIONS**

**Use for LANTNAVFACENGCOM projects only**

**Latest change indicated by CHG tags**
**********

SECTION 01575N

TEMPORARY ENVIRONMENTAL CONTROLS (GTMO)
**10/03**

**********
**NOTE: This guide specification is for use in construction projects at U.S. Naval Station Guantanamo Bay, Cuba where environmental protection and other environmental temporary controls are required. All paragraph have been revised in accordance with U.S. Naval Station Guantanamo Bay, Cuba rules and regulations.**

**NOTE: Suggestions for improvement of this specification will be welcomed using the Navy "Change Request Forms" subdirectory located in SPECSINTACT in Jobs or Masters under "Forms/Documents" directory or DD Form 1426. Suggestions should be forwarded to:**

**Commander**
**Naval Facilities Engineering Command**
**Engineering Innovation and Criteria Office, Code EICO**
**6506 Hampton Blvd**
**Norfolk, VA 23508**

**Brackets are used in the text to indicate designer choices or locations where text must be supplied by the designer.**
**********

## PART 1 GENERAL

### 1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

CODE OF FEDERAL REGULATIONS (CFR)

| | |
|---|---|
| 29 CFR 1910.120 | Hazardous Waste and Emergency Response |
| 40 CFR 82 | Protection of Stratospheric Ozoning |

| | |
|---|---|
| | Refrigerant Recylcing |
| 40 CFR 260 | Hazardous Waste Management Systems: General |
| 40 CFR 261 | Identification and Listing of Hazardous Waste |
| 40 CFR 262 | Generators of Hazardous Waste |
| 40 CFR 263 | Transporters of Hazardous Waste |
| 40 CFR 264 | Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities |
| 40 CFR 265 | Interim Status Standard for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities |
| 40 CFR 266 | Management of Specific Hazardous Wastes and Specific Types of Hazardous Waste Management Facilities |
| 40 CFR 268 | Land Disposal Restrictions |
| 40 CFR 270 | EPA Administrated Permit Programs: The Hazardous Waste Permit Program |
| 40 CFR 271 | Requirements for Authorization of State Hazardous Waste Programs |
| 40 CFR 272 | Approved State Hazardous Waste Management Programs |
| 40 CFR 273 | Universal Waste Management |
| 40 CFR 279 | Used Oil Regulations |
| 40 CFR 280 | Owners and Operators of Underground Storage Tanks |
| 49 CFR 171 | General Information, Regulations, and Definitions |
| 49 CFR 172 | Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements |
| 49 CFR 173 | Shipments and Packagings |
| 49 CFR 178 | Shipping Container Specification |

INSTRUCTIONS AND STANDARDS FOR NAVSTA GUANTANAMO BAY CUBA

| | |
|---|---|
| FGS | (1994) Final Governing Standards for Environmental Protection by U.S. Forces in Cuba |

| | |
|---|---|
| COMNAVBASEGTMOINST 1710.10 | Outdoor Recreational and Wildlife Instruction |
| COMNAVBASEGTMOINST 4400.2A | Consolidated Hazardous Material Reutilization and Inventory Management Program |
| COMNAVBASEGTMOINST 5090.1 | Hazardous Waste Management Plan |
| COMNAVBASEGTMOINST 5090.4 | Standard Operating Procedures for Landfill |
| COMNAVBASEGTMOINST 5090.7 | Pollution Control Procedures for Oil and Hazardous Substances |
| COMNAVBASEGTMOINST 5090.8 | Asbestos Program Management |
| COMNAVBASEGTMOINST 5100.13 | Hazardous Material/Excess Hazardous Material Control and Safety Program |

## 1.2 DEFINITIONS

### 1.2.1 Sediment

Soil and other debris that have eroded and have been transported by runoff water or wind.

### 1.2.2 Solid Waste

Rubbish, debris, garbage, construction debris and other discarded solid materials, except hazardous waste as defined in paragraph entitled "Hazardous Waste," resulting from industrial, commercial, and agricultural operations and from community activities.

### 1.2.3 Sanitary Wastes

Wastes characterized as domestic sanitary sewage.

### 1.2.4 Rubbish

Combustible and noncombustible wastes such as paper, boxes, glass, crockery, metal, lumber, cans, and bones.

### 1.2.5 Chemical Wastes

This includes salts, acids, alkalies, herbicides, pesticides, and organic chemicals.

### 1.2.6 Garbage

Refuse and scraps resulting from preparation, cooking, dispensing, and consumption of food.

### 1.2.7 Hazardous Waste

Hazardous waste as defined in 40 CFR 261, FGS or as defined by applicable station regulations.

Any discarded material, material, liquid, solid, or gaseous, which meets

the definition of hazardous material or is designated hazardous waste by the Environmental Protection Agency or State Hazardous Control Authority defined in 40 CFR 260, 40 CFR 261, 40 CFR 262, 40 CFR 263, 40 CFR 264, 40 CFR 265, 40 CFR 266, 40 CFR 268, 40 CFR 270, 40 CFR 271, 40 CFR 272, 40 CFR 273, 40 CFR 279, and 40 CFR 280.

1.2.8 Oily Waste

Petroleum products and bituminous materials.

1.2.9 Class I and Class II Ozone Depleting Substance (ODS)

Class I and Class II ODS are defined in Section 602(a) of The Clean Air Act (PROHIBITED).

1.2.10 Debris

Combustible and noncombustible wastes such as ashes and waste materials resulting from construction or maintenance and repair work, leaves, and tree trimmings.

1.2.11 Hazardous Materials

Hazardous materials as defined in 49 CFR 171, and listed in 49 CFR 172.

Hazardous material is any material that:

a. Is regulated as a hazardous material per 49 CFR 173, or

b. Requires a Material Safety Data Sheet (MSDS) per 29 CFR 1910.120, or

c. During end use, treatment, handling, packaging, storage, transportation, or disposal meets or has components which meet or have potential to meet the definition of a hazardous waste as defined by 40 CFR 261 Subparts A, B, C, or D.

Designation of a material by this definition, when separately regulated or controlled by other instructions or directives, does not eliminate the need for adherence to that hazard-specific guidance which takes precedence over this instruction for “control” purposes. Such materials include ammunition, weapons, explosive actuated devices, propellants, pyrotechnics, chemical and biological warfare materials, medical and pharmaceutical supplies, medical waste and infectious materials, bulk fuels, radioactive materials, and other materials such as asbestos, mercury, and polychlorinated biphenyls (PCBs). Nonetheless, the exposure may occur incident to manufacture, storage, use and demilitarization of these items.

1.2.12 Waste Hazardous Material (WHM)

Any waste material which because of its quantity, concentration, or physical, chemical, or infectious characteristics may pose a substantial hazard to human health or the environment and which has been so designated. Used oil not containing any hazardous waste as defined above falls under this definition.

1.2.13 Landscape Features

Trees, plants, shrubs, and ground cover.

1.2.14 Lead Acid Battery Electrolyte

The electrolyte substance (liquid medium) within a battery cell.

1.3 SUBMITTALS

**********
**NOTE: Where a "G" in submittal tags follows a submittal item, it indicates Government approval for that item. Add "G" in submittal tags following any added or existing submittal items deemed sufficiently critical, complex, or aesthetically significant to merit approval by the Government. Submittal items not designated with a "G" will be approved by the QC organization.**
**********

Submit the following in accordance with Section 01330, "Submittal Procedures."

SD-01 Preconstruction Submittals

Environmental Protection Plan Review; G

Preconstruction survey; G

1.4 CONTRACTOR LIABILITIES FOR ENVIRONMENTAL PROTECTION

Contractors shall complete and provide documentation for environmental training required by the FGS (Final Governing Standards), and station regulations to the Contracting Officer, prior to the start of work. The FGS are based primarily upon generally accepted standards for DOD installations and activities in the U.S.. The Contractor shall obtain copies of the following GTMO instructions prior to the start of work: COMNAVBASEGTMOINST 4400.2A, COMNAVBASEGTMOINST 5090.1, COMNAVBASEGTMOINST 5090.4, COMNAVBASEGTMOINST 5090.7, COMNAVBASEGTMOINST 5090.8, COMNAVBASEGTMOINST 5100.13 and COMNAVBASEGTMOINST 1710.10. The station is subject to CINCLANTFLT (Commander in Chief, Atlantic Fleet) or NAVFACENGCOM LANTDIV (Naval Facilities Engineering Command - Atlantic Division) inspections to review compliance with environmental protection laws. A Multi-Media inspection by CINCLANTFLT or LANTDIV may include questioning of Contractor personnel who are working with or have contact with Hazardous Materials and waste.

Contractors shall complete and provide documentation for environmental training required by the FGS and station instructions. Contractors shall ensure that all employees, even during employee off-duty hours, are aware and comply with Station regulations.

1.5 FUEL TANKS

On site fuel tanks must be over drip pans, which can contain 110% of the tank's volume. The tanks and drip pans must be covered during inclement weather and when work is not in progress on the site.

1.6 CLASS I ODS PROHIBITION

Class I ODS as defined and identified herein will not be used in the

performance of this contract, nor be provided as part of the equipment. This prohibition will be considered to prevail over any other provision, specification, drawing, or referenced documents.

## 1.7 WHM/HW MATERIALS PROHIBITION

No waste hazardous material or hazardous waste shall be disposed of on government property. No hazardous material shall be brought onto government property that does not directly related to requirements for the performance of this contract. The government is not responsible for disposal of Contractor's waste material brought on the job site and not required in the performance of this contract. The intent of this provision is to dispose of that waste identified as waste hazardous material/hazardous waste as defined herein that was generated as part of this contract and existed within the boundary of the Contract limits and not brought in from offsite by the Contractor. Incidental materials used to support their contract including, but not limited to aerosol cans, waste paint, cleaning solvents, contaminated brushes, rags, clothing, etc. is the responsibility of the Contractor. The list is illustrative rather than inclusive. The Contractor is not authorized to discharge any materials to sanitary sewer, storm drain, or to the river or conduct waste treatment or disposal on government property without written approval of the Contracting officer.

## 1.8 ENVIRONMENTAL PROTECTION REQUIREMENTS

Provide and maintain, during the life of the contract, environmental protection as defined. Plan for and provide environmental protective measures to control pollution that develops during normal construction practice. Plan for and provide environmental protective measures required to correct conditions that develop during the construction of permanent or temporary environmental features associated with the project. Comply with Federal and Station regulations pertaining to the environment, including but not limited to water, air, solid waste, hazardous waste and substances, oily substances, and noise pollution.

### 1.8.1 Licenses and Permits

Permits are required for welding and burning. Allow 14 calendar days for processing of the application. A Landfill Pass must be obtained for all asbestos containing materials and solid waste being disposed at the landfill, per COMNAVBASEGTMOINST 5090.4. Initial stop for the Landfill Pass is the Recycling Center at Building 1751, off Rogers Road North of Sherman Avenue, for non-asbestos items, and Building 850 (Hazardous Waste Facility) for all asbestos loads.

## 1.9 ENVIRONMENTAL PROTECTION PLAN

### 1.9.1 Contents of Environmental Protection Plan (EPP)

Ten days after the award of contract, the Contractor shall meet with the Contracting Officer to discuss the proposed Environmental Protection Plan and develop a mutual understanding relative to the details of environmental protection, including measures for protecting natural resources, required reports, and other measures to be taken. The Environmental Protection Plan shall be submitted in the following format and shall, at a minimum, address the following elements (also refer to paragraph entitled "Protection of Natural Resources" in this section):

a. A listing of any hazardous materials (HM) planned for use on the station. This information shall be included in the station HM Tracking Program. To assist this effort, submit a list (including quantities) of HM to be brought to the safety station and copies of the corresponding Material Safety Data Sheets (MSDS). Submit this list to the Contracting Officer. Contractor shall sign Memorandum of Understanding (MOU) and comply with Station Instruction. Contractor shall develop an Authorized User List (AUL) request form for each hazardous material item and update this list as additional materials are required. All HM items will be bar-coded as specified in the MOU and Station Instruction.

b. The Environmental Protection Plan shall list and quantify any Hazardous Waste (HW) to be generated during the project.

c. Shall identify, list and quantify all HW streams associated with the project including equipment maintenance.

d. In accordance with Station regulations, substitute materials as necessary to reduce the generation of HW and include a statement to that effect in the Environmental Protection Plan.

e. Contact the Contracting Officer for conditions in the area of the project which may be subject to special environmental procedures. Include this information in the Preconstruction Survey. Describe in the Environmental Protection Plan, contingency plans in case an unexpected environmental condition is discovered.

f. Employee training documentation for handling HM or HW to be used or generated, and certifications for all those working with asbestos removal.

g. Given the HM and HW streams, provide a storage plan for each.

h. Erosion and sedimentation control Best Management Practices to be utilized during all phases of work associated with this contract, including a statement of minimizing the area of soil disturbance and the duration of exposure to erosion elements. For major activities covering large acreage and/or steep slopes, Contractor may be required to submit a separate Land-Disturbing Activity Plan addressing erosion and sedimentation control in major land clearing and grading operations.

i. A Point-of-Contact to address Cuban rock iguanas, Cuban boas, and other protected species which may be on site during all phases of work associated with this contract.

1.9.2 Environmental Protection Plan Format

The Environmental Protection Plan shall follow the following format:

a. Name of Contractor and number of contract

b. Point of Contact (POC) and phone/fax/e-mail address

c. A copy of the signed MOU

d. A complete AUL

e. A complete list of all HM brought to station in accordance with COMNAVBASEGTMOINST 4400.2A.

f. MSDS for each HM

g. Employee training documentation

h. A complete list of Hazardous Waste that is expected to be generated and a detailed description as to how waste will be generated (i.e. painting operations, etc.)

i. Preconstruction survey results

1.9.3 Environmental Protection Plan Review

Fourteen days after the environmental protection meeting, submit the proposed Environmental Protection Plan for further discussion, review, and approval. Commencement of work shall not begin until the environmental protection plan has been approved.

1.9.4 Preconstruction Survey

Perform a preconstruction survey of the project site with the Contracting Officer. The Contractor shall be liable for the clean up of any spills of contamination of the laydown area and construction site during the performance of this contract. Copies of this survey shall be submitted to the Contracting Officer prior to start of work.

1.10 HAZARDOUS MATERIALS USE

With respect to Hazardous materials, safety program shall include provisions to deal with Hazardous materials, pursuant to the contract clause "FAR 52.223-3, Hazardous Material Identification and Material Safety Data." In addition to FAR 52.223-3, the plan shall consist of:

a. An index of Hazardous materials to be introduced to the site;

b. Plan for protecting personnel and property during the transport, storage and use of the materials;

c. Procedures for spill response and disposal; (refer to COMNAVBASEGTMOINST 5090.7 for spill response and use; COMNAVBASEGTMOINST 5090.1 for HW disposal);

d. Post material safety data sheets at the worksite where the products will be used;

e. Approved labeling system to identify contents on all containers on site;

f. Personnel training plan, which includes certification of employee training on the use of HM and MSDS.

The Contracting Officer shall approve all Hazardous Material brought on base, prior to arrival.

1.10.1 Disposal Costs (Responsability)

If the Contractor mismanages HM and the HM becomes a HW, as determined by

the Contracting Officer, the Contractor is responsible for all disposal costs associated with this waste. Cost includes:

a. Labor costs

b. Anaylitical costs

c. Containerizing costs

d. Disposal costs

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

3.1 PROTECTION OF NATURAL RESOURCES

Preserve the natural resources within the project boundaries and outside the limits of permanent work. Restore to an equivalent or improved condition upon completion of work. Confine construction activities to within the limits of the work indicated or specified.

3.1.1 Land Resources

Except in areas to be cleared, do not remove, cut, deface, injure, or destroy trees or shrubs without approval from Contracting Officer. Do not fasten or attach ropes, cables, or guys to existing nearby trees for anchorages unless authorized by Contracting Officer. Where such use of attached ropes, cables or guys is authorized, the Contractor shall be responsible for any resultant damage. Do not park or drive up near the base of established trees.

3.1.1.1 Protection of Trees

Protect existing trees which are to remain and which may be injured, bruised, defaced, or otherwise damaged by construction operations, utilizing standard tree protection criteria including:

a. Installation of safety orange plastic fencing (minimum 4' in height) around individual trees designated for protection. Fencing shall be installed at the outward limit of the tree's dripline or extent of canopy cover.

b. Installation of safety orange plastic fencing (minimum 4' in height) around groups of trees designated for protection.

c. Tree and/or shrub branches in the way of equipment shall be trimmed according to specifications in the DoD Urban Forestry Manual. Under no circumstances the Contractor and Sub-Contractors use equipment to demolish branches as work proceeds.

Required fencing shall be installed prior to the initiation of land disturbing activities and shall be removed at the conclusion of construction. Remove displaced rocks from uncleared areas. By approved excavation, remove trees with 30 percent or more of their root systems destroyed. Removal of trees and the procedure for removal requires approval of the Contracting Officer. Trees designated for removal shall be

removed in a manner that will not impact adjacent trees.

3.1.1.2 Landscape Replacement

Remove trees and other landscape features scarred or damaged by equipment operations, and replace with equivalent, undamaged trees and landscape features. Obtain Contracting Officer's approval before replacement. Replacement of trees shall occur on a one-to-one basis. Regionally native plants as specified by the station Integrated Natural Resources Management Plan (INRMP) shall be used as replacement landscape features.

3.1.2 Water Resources

3.1.2.1 Oily and Hazardous Substances

Prevent oily or other hazardous substances from entering the ground, drainage areas, or local bodies of water. For oil, fuel oil, or other hazardous substance spills, verbally notify the Contracting Officer immediately. Surround all temporary fuel oil or petroleum storage tanks with a temporary polyethylene-lined earth berm lined with 6-mil polyethylene of sufficient size and strength to contain the contents of the tanks in the event of leakage or spillage. Do not allow rain water to accumulate in containment area. If visible sheen, contact the Contracting Officer for approval prior to draining water.

3.1.3 Fish and Wildlife Resources

Do not disturb fish and wildlife. Do not alter water flows including erosion and drainage channels or otherwise significantly disturb the native habitat adjacent to the project and critical to the survival of fish and wildlife, except as indicated or specified. Ensure compliance at all times with COMNAVBASEGTMOINST 1710.10.

Contractor will ensure all employees comply with prohibitions on feeding and raising indigenous wildlife and feral animals during working and non-working hours. Specifically, direct or indirect feeding of iguanas resulting in the domestication or semi-domestication of these animals is strictly prohibited. Further, direct or indirect feeding of feral chickens, cats, dogs, goats, or other feral domestic animals is strictly prohibited. Prohibitions of this section apply to living and working areas at all times. Recognizing that many foreign national personnel utilize chickens as livestock, the contractor may request to the Contracting Officer, provisions to allow employees to raise chickens as livestock. Any such request will be accompanied with a Livestock Management Plan addressing construction and maintenance of pens to confine the animals, provisions for feeding and watering the animals, pen and surrounding area sanitation, limits on numbers of animals to be raised, and a Point-of-Contact for livestock management responsibility. Under no circumstances will livestock be permitted to roam or be otherwise free-ranging.

3.1.4 Temporary Construction

Remove traces of temporary construction facilities such as work areas, foundations of temporary structures, stockpiles of excess or waste materials and other signs of construction. Grade parking area and similar temporarily used areas to conform with surrounding contours.

3.2 HISTORICAL AND ARCHAEOLOGICAL RESOURCES

Carefully protect in-place and report immediately to the Contracting Officer historical and archaeological items or human skeletal remains discovered in the course of work. Stop work in the immediate area of the discovery until directed by the Contracting Officer to resume work. The Government retains ownership and control over historical and archaeological resources.

[3.3 EROSION AND SEDIMENT CONTROL MEASURES

**********
**NOTE: Delete this paragraph and subparagraphs if a regional Erosion and Sediment Control specification section is used.**
**********

3.3.1 Burnoff

Burnoff of the ground cover is not permitted.

3.3.2 Temporary Protection of Erodible Soils

Use the following methods to prevent erosion and sedimentation control:

3.3.2.1 Mechanical Retardation and Control of Runoff

In projects involving grading, excavating, or other soil disturbances, the Contractor shall insure the area of soil disturbance is confined to the minimum necessary to accomplish work. Adjacent areas which must be cleared to access the project site shall be mowed to retain vegetative cover. Under no circumstances shall adjacent areas be graded to bare soil. Excavated material shall be retained on site using erosion and sediment control best management practices to retard and control the rate of runoff from the construction site. This includes construction of diversion ditches, benches, berms, and use of silt fences and straw bales to retard and divert runoff to protected drainage courses. Silt fencing shall be installed below disturbed areas prior to the initiation of land disturbing activities. Silt fencing shall meet universally standard specifications and shall be installed and maintained in accordance with manufacturer's instructions.

3.3.2.2 Sediment Basins

Construction and use of sediment basins shall be authorized by the Contracting Officer on a case by case basis to ensure environmental, excavation permit, and other requirements are met. Trap sediment in temporary or permanent sediment basins as directed by the Contracting Officer. Basin size to accomodate the runoff of a local storm event to be determined on a case by case basis. Pump dry and remove the accumulated sediment, after each storm. Use a paved weir or vertical overflow pipe for overflow. Remove collected sediment form the site. Institute effluent quality monitoring programs.

3.3.2.3 Vegetation and Mulch

Provide temporary protection on sides and back slopes as soon as rough grading is completed or sufficient soil is exposed to require erosion protection. Protect slopes by accelerated growth of permanent vegetation, temporary vegetation, mulching, or netting. Stabilize slopes by hydroseeding, anchoring mulch in place, covering with anchored netting,

sodding, or such combination of these and other methods necessary for effective erosion control.

a. Seeding: Provide new seeding where ground is disturbed. Include topsoil or nutriment during the seeding operation necessary to establish or reestablish a suitable stand of grass. Utilize endemic or regionally native and drought/heat tolerant grass species as specified by the Contracting Officer.[ The seeding operations shall be as specified in Section 02921N, "Turf."]

]3.4 CONTROL AND DISPOSAL OF SOLID WASTES

Pick up garbage and place in covered containers which are regularly emptied. Do not prepare or cook food on the project site. Prevent contamination of the site or other areas when handling and disposing of wastes. At project completion, leave areas clean. Dispose of solid waste generated at locations as directed by the Contracting Officer. Solid waste disposal service is available on a cost reimbursable basis. Refer to Section 01011N, "Special Conditions for Guantanamo Bay Projects", for more information.

3.4.1 Disposal of Solid Waste, Debris, Chemical or Hazardous Substances

Disposal of hazardous substances at the Windward Landfill and Concrete Fill Area is prohibited. Dispose of solid waste, debris and metal containers in accordance with the requirements specified herein.

3.4.1.1 Base Sanitary Landfill and Concrete Areas

Only authorized solid waste approved for deposit by the landfill attendant or equipment operator will be permitted to be dumped at a designated area in the Windmill landfill. Prepare a Landfill Access Pass in accordance with COMNAVBASEGTMOINST 5090.4. Deposit demolition material such as grading or excavated materials at the designated area, provided such material does not contain segregated metals, as directed by Landfill Attendant. Landfill hours of operation are Monday through Saturday, 7:30 AM to 11:00 AM, and 12:30 PM to 4:00 PM.

3.4.2 Disposal of Rubbish and Debris

Haul rubbish and debris to the Government landfill (Windward Landfill). Or in accordance with COMNAVBASEGTMOINST 5090.4, an approved Landfill Access Pass must be presented prior to entry into landfill.

Dispose of rubbish and debris in accordance with the requirements specified below:

a. Metals will not be taken at the landfill site. Dispose of metal construction debris at Recycling Center, Bldg. 1751. Recycling Center must inspect all metals and instruct driver where to dispose of metal. If material is not recyclable, a landfill access pass will be issued in accordance with COMNAVBASEGTMOINST 5090.4. Materials which may be deposited in the landfill include:

| CATEGORY | CONSTRUCTION DEBRIS DISPOSAL - BASE SANITARY LANDFILL EXAMPLE/GENERAL INFORMATION FOR DEPOSIT IN THE LANDFILL |
|---|---|
| Mixed Debris | The following materials may be placed in |

| CATEGORY | CONSTRUCTION DEBRIS DISPOSAL - BASE SANITARY LANDFILL EXAMPLE/GENERAL INFORMATION FOR DEPOSIT IN THE LANDFILL |
|---|---|
| | the landfill in a location designated by the landfill operator. These items may be mixed together. |
| | Gypsum board panels, plaster, glass (broken). |
| | Non-asbestos insulation - (fiberglass and mineral wool shall be bagged). |
| | Packing paper, styrofoam, and pasteboard boxes. |
| Shingles | Non-asbestos roofing materials such as shingles built-up and single roofing. |
| | Painted wood such as doors, windows, siding, and trim. |
| | Plastic/fiberglass such as pipe, electrical boxes, cover plates, etc. |
| | Ceramic and vinyl flooring or tile - ceiling tile. |
| Masonry and Concrete | Deliver concrete, block, brick, mortar to the designated area separate from any other items, and place in a location designated by the landfill operator. Reinforcement wire and and rebar shall be removed flush with exposed surfaces. |
| Nonrecyclable Wall Pallets | Deliver usable pallets to the Base Recycling Center located at Building 1751. If Recycling personnel reject the pallets, take pallets to the landfill. |
| Treated Lumber | Deliver treated wood, and such as piling and power poles to the landfill separated from any other items and place in locations as designated by the Landfill Operator. |
| Untreated/Unpainted Wood | Deliver lumber, trees, stumps, limbs, and shrubs to the landfill separated from any other items, and place in locations as designated by the Landfill Operator. |
| Organic Matter | Deliver leaves, grass clippings, and shrub clippings to the landfill separated from any other items, and place in locations as designated by the Landfill Operator. No bags or containers are allowed. |
| Fiberglass Tanks | Clean tanks before delivery to landfill. 55 Gallons or Less. |

| CATEGORY | CONSTRUCTION DEBRIS DISPOSAL - BASE SANITARY LANDFILL EXAMPLE/GENERAL INFORMATION FOR DEPOSIT IN THE LANDFILL |
|---|---|
| Asphalt Pavement | Deliver to Winward Landfill. |
| Construction Debris | Separate each category of construction debris at the construction site and deliver separately to the landfill. Place each category of construction debris in the landfill at a location designated by the Landfill Operator. |
| Asbestos | Place in designated area of the Landfill double bagged and properly marked and documented. |
| Lead-Based Paint Materials | Drum and deliver to the Hazardous Waste Facility, Building 850, properly marked and documented. |
| Metals | Metals will not be accepted at the landfill. Remove metals from each and every category before delivery to landfill, including tanks. (Example: Remove hardware from doors and windows.<br><br>Dispose of metal construction debris at Recycling Center, Bldg. 1751. Recycling Center must inspect all metals and instruct driver where to dispose of metal. If material is not recyclable, a landfill access pass will be issued in accordance with COMNAVBASEGTMOINST 5090.4.<br><br>Aluminum, brass, copper, lead, other metal, electrical wiring, cable (cut in 3-foot or less sections) must be taken to the Recycling Center. |

b. A Landfill Access pass must be obtained prior to transporting asbestos containing materials to the Asbestos Landfill in accordance with COMNAVBASEGTMOINST 5090.4. The landfill pass must be approved by the Hazardous Waste Facility located at Bldg 850.

3.4.3 Sewage

Dispose of sewage through connection to a station sanitary sewage system or the Lizard Island treatment pump station as directed by the Contracting Officer. Where such system is not available, use chemical toilets or comparable effective units and periodically empty wastes into a pump station.

3.5 CONTROL AND DISPOSAL OF HAZARDOUS WASTE

3.5.1 Hazardous Waste Generation

Handle generated hazardous waste in accordance with 40 CFR 262, the FGS and COMNAVBASEGTMOINST 5090.1.

3.5.2 Hazardous Waste Disposal

Dispose of hazardous waste in accordance with Federal and Station regulations, especially 40 CFR 263, 40 CFR 264, 40 CFR 265, the FGS and COMNAVBASEGTMOINST 5090.1. Hazardous waste shall not be brought onto the station. In accordance with COMNAVBASEGTMOINST 5090.1 HW will be turned in for disposal to the HW Facility (Bldg 850). Contractor shall obtain all containers for HW/Oily waste from HW Manager. The Contractor will be responsible for containerizing and transporting wastes to Building 850. Closed-top drums must be utilized for liquids; open-top drums may be used for abrasives. If the Contractor mismanages HM and/or HW, as determined by the Contracting Officer, the Contractor is responsible for all disposal cost associated with this waste in accordance with the paragraph entitled "Disposal Costs (Responsibility)." The Contractor's Special Deposit Account will be charged for all sampling, analysis, labor and disposal at rates shown below. Itemized statements will be provided to the Contractor via the Contracting Officer.

CONTRACTOR DISPOSAL, ANALYTICAL AND CONTAINER COSTS

| CLIN | Waste Description | Disposal Cost/lb. | Commodity Cost/lb. | Total Cost/lb. |
|---|---|---|---|---|
| 6611FF | Expedite GTMO (call for explanation) | $500.00 | $ 0.00 | $500.00 |
| 6630MM | Surcharge for Disposal of High Level Mercury | $ 3.33 | $ 1.35 | $ 4.68 |
| 9101 | Flammable (Small Container) | $ 0.75 | $ 1.35 | $ 2.10 |
| 9101PP | PCB/Flammable HW Mixture in small containers | $ 5.00 | $ 1.35 | $ 6.35 |
| 9102 | Ignitable (Flammable) Liquid | $ 0.25 | $ 1.35 | $ 1.60 |
| 9102PP | PCB/Ignitable (Flammable) HW Mixture containerized | $ 5.00 | $ 1.35 | $ 6.35 |
| 9104 | Flammable Solid (Drummed) | $ 1.00 | $ 1.35 | $ 2.35 |
| 9105 | Ignitable (Flammable) Aerosols | $ 0.90 | $ 1.35 | $ 2.25 |
| 9106 | Ignitable (Flammable) Liquid (Bulk Pumpable) | $ 0.30 | $ 0.25 | $ 0.55 |
| 9201 | Corrosive (Small Container) | $ 0.75 | $ 1.35 | $ 2.10 |
| 9202 | Corrosive Liquids (Drummed) | $ 0.35 | $ 1.35 | $ 1.70 |
| 9204 | Corrosive Solid (non Bulk Containerized) | $ 1.00 | $ 1.35 | $ 2.35 |
| 9204LA | Lead Acid Batteries, Containerized | $ 1.00 | $ 1.35 | $ 2.35 |
| 9204MM | Corrosives Containing Mercury, Containerized | $ 3.00 | $ 1.35 | $ 4.35 |
| 9204NC | NI CAD Batteries Containerized | $ 0.90 | $ 1.35 | $ 2.25 |
| 9206 | Corrosive Liquid, Bulk Pumpable | $ 0.50 | $ 0.25 | $ 0.75 |
| 9301 | Reactives (Small Containers) | $ 2.00 | $ 1.35 | $ 3.35 |
| 9302 | Reactive Liquids | $ 9.00 | $ 1.35 | $ 10.35 |
| 9304 | Reactive Solids | $ 1.00 | $ 1.35 | $ 2.35 |
| 9304LS | Lithium Batteries | $ 5.00 | $ 1.35 | $ 6.35 |
| 9304OA | Oxygen Breathing Apparatus Canisters | $ 0.90 | $ 1.35 | $ 2.25 |
| 9401 | Toxic Small Container | $ 0.75 | $ 1.35 | $ 2.10 |
| 9401PP | Toxic with PCB's Small Containers | $ 3.00 | $ 1.35 | $ 4.35 |
| 9402 | Toxic Liquid | $ 0.28 | $ 1.35 | $ 1.63 |
| 9402MM | Mercury Liquid | $ 1.75 | $ 1.35 | $ 3.10 |
| 9402PP | Toxic Liquid with PCB's | $ 4.00 | $ 1.35 | $ 5.35 |
| 9404 | Toxic Solids - non PCB ballasts | $ 0.28 | $ 1.35 | $ 1.63 |
| 9404FL | Fluorescent Bulbs | $ 0.80 | $ 1.35 | $ 2.15 |

CONTRACTOR DISPOSAL, ANALYTICAL AND CONTAINER COSTS

| | | | | |
|---|---|---|---|---|
| 9404LA | Lead Acid Batteries, DRY | $ 1.00 | $ 1.35 | $ 2.35 |
| 9404MB | Mercury Batteries | $ 7.77 | $ 1.35 | $ 9.12 |
| 9404MM | Certain Mercury Wastes* | $ 3.00 | $ 1.35 | $ 4.35 |
| 9404NC | NI CAD Batteries, Dry | $ 1.00 | $ 1.35 | $ 2.35 |
| 9404PP | PCB/D004-D043 HW Mixture containerized solids-ballast | $ 5.00 | $ 1.35 | $ 6.35 |
| 9405 | Toxic Aerosols | $ 2.50 | $ 1.35 | $ 3.85 |
| 9406 | Toxic Bulk Pumpable | $ 0.15 | $ 0.25 | $ 0.40 |
| 9407 | Toxic Bulk Solid | $ 0.14 | $ 0.25 | $ 0.39 |
| 9501 | F-Listed Small Container | $ 0.75 | $ 1.35 | $ 2.10 |
| 9501PP | PCB/F001-F039 HW Mixture in small containers | $ 5.00 | $ 1.35 | $ 6.35 |
| 9502 | F-Listed Liquid | $ 0.28 | $ 1.35 | $ 1.63 |
| 9502PP | F-Listed with PCB's | $ 4.00 | $ 1.35 | $ 5.35 |
| 9504 | F-Listed Solids | $ 0.60 | $ 1.35 | $ 1.95 |
| 9504PP | PCB/F001-F039 HW Mixture Containerized Solids | $ 5.00 | $ 1.35 | $ 6.35 |
| 9506 | F-Listed Bulk Pumpable | $ 0.35 | $ 0.25 | $ 0.60 |
| 9701 | P Listed Small Container's | $ 3.00 | $ 1.35 | $ 4.35 |
| 9702 | P Listed Containerized Liquids | $ 4.00 | $ 1.35 | $ 5.35 |
| 9704 | P Listed Containerized Solids | $ 2.50 | $ 1.35 | $ 3.85 |
| 9751MM | U 151 Mercury in Small containers Surcharge | $ 5.00 | $ 1.35 | $ 6.35 |
| 9752 | U Listed Containerized Liquids | $ 0.95 | $ 1.35 | $ 2.30 |
| 9754 | U Listed Containerized Solids | $ 2.00 | $ 1.35 | $ 3.35 |
| 9755 | U Listed Aerosols | $ 2.00 | $ 1.35 | $ 3.35 |
| 9851 | U Listed Small Containers | $ 1.00 | $ 1.35 | $ 2.35 |
| 9901 | Non RCRA Small Container | $ 0.35 | $ 1.35 | $ 1.70 |
| 9902 | Non RCRA Liquid | $ 0.12 | $ 1.35 | $ 1.47 |
| 9902AF | Non RCRA Antifreeze | $ 0.45 | $ 1.35 | $ 1.80 |
| 9902FA | Non RCRA Oil Filters | $ 0.55 | $ 1.35 | $ 1.90 |
| 9904 | Non RCRA Solid | $ 0.11 | $ 1.35 | $ 1.46 |
| 9905 | Non RCRA Aerosols | $ 1.00 | $ 1.35 | $ 2.35 |
| 9906 | Non RCRA Bulk Pumpable | $ 0.15 | $ 0.25 | $ 0.40 |
| 9907 | Non RCRA Bulk Solids | $ 0.30 | $ 0.25 | $ 0.55 |
| 7001AA | PCB Ballasts (Drummed) | $ 1.28 | $ 1.35 | $ 2.63 |
| 7001AA | PCB Ballasts (Bulk) | $ 1.28 | $ 0.25 | $ 1.53 |

Includes Container Costs, Labels.

Some additional Labor Costs may apply @ $75.00 per hour (Over Time $85.00). For explanation of Waste Descriptions see 40 CFR 262, call Haz Waste Manager, x. 4994, or e-mail inquiry to: n2033c@usnbgtmo.navy.mil

Analytical costs range from $900-$3,700.

Labor cost/hour is estimated, subject to change.
Prices valid through September 30, 2003.

3.5.3 Hazardous Waste (HW) Accumulation

Accumulate and manage HW in accordance with Federal and Station regulations, 40 CFR 261, 40 CFR 262, FGS, COMNAVBASEGTMOINST 5090.1, and all revisions. HW shall be properly identified, packaged and labeled in accordance with 49 CFR 172 and COMNAVBASEGTMOINST 5090.1 and shall be turned in for disposal to the HW facility (Bldg. 850). The Contractor

shall obtain all containers for HW and Used Oil from the HW Facility. The Contractor shall be responsible for containerizing and transporting wastes to the HW Facility. If the Contractor mismanages HM so that it becomes a HW or if a HW is not managed properly and costs more for disposal due to contamination, the Contractors' Special Deposit Account will be charged for all sampling, analysis and disposal rates as specified or identified. Itemized statements will be provided to the Contractor via the Contracting Officer.

a. In accordance with COMNAVBASEGTMOINST 5090.1, store HW near the point of generation up to a total quantity of one (1) quart of acutely hazardous waste or 55 gallons of hazardous waste. Move any volume exceeding these quantities to an approved HW Storage area (from approved EPP) within 3 days. Prior to generation of HW, contact the HW Facility for labeling requirements for accumulation of HW.

b. Accumulate HW (no longer than 90 days) in containers in accordance with 49 CFR 178 and station instructions. Identify HW in accordance with 40 CFR 261, 40 CFR 262, and station instructions. Ensure HW is properly labeled and segregated. Every effort must be made to ensure used oil is not contaminated. All used oil generated must be containerized and delivered to the HW Facility (Bldg. 850) for disposal. Contractor will be charged for disposal expenses as shown above.

c. All HW must be turned into the HW Facility for shipment/disposal off station.

3.5.4 Spills of Oil and Hazardous Materials

The Contractor must provide a 24-hour phone number for spill response notification. The Contractor shall immediately notify the Fire Department (911) and the Contracting Officer of any fuel, oil or hazardous substance spill. The Contractor shall follow COMNAVBASEGTMOINST 5090.7. The Contractor shall, in accordance with his approved safety plan, clean up all hazardous and non-hazardous waste spills caused by the Contractor. The Contractor shall maintain spill clean up equipment and provide list of equipment/material in safety plan at work site.

a. The Contractor shall reimburse the Government for all cost of materials, equipment, and labor if the Government must initiate it's own spill clean up procedures, for Contractor caused spills, when:

   1) The Contractor has not begun spill clean up procedures within a timely manner of a spill occurrence, or

   2) If, in the Government's judgment, the Contractor's response is not adequately abating a life threatening situation and/or a threat to any body of water or environmentally sensitive area.

b. The Contractor shall package, transport and dispose of all contaminated material, equipment, and clothing generated during the Contractor's spill clean up procedures at no additional cost to the Government in accordance with COMNAVBASEGTMOINST 5090.1 and COMNAVBASEGTMOINST 5090.7. The Contractor shall provide MSDS to the Contracting Officer to ensure material is properly identified for disposal, or reimburse the government for analytical data (to

include labor and costs of analysis) should data be required to properly identify the waste. Contractor shall transport packaged waste to HW Facility (Bldg. 850).

c. The Contractor shall complete the spill report provided in COMNAVBASEGTMOINST 5090.7 and submit it to the Contracting Officer within 24 hours of spill occurrence. Contractor's special deposit account will be charged for disposal of spilled material and associated waste.

3.5.5 Lead-Acid Batteries

Dispose of lead-acid batteries that are not damaged or leaking at the Base Recycling Center. For lead-acid batteries that are leaking or have cracked casings, dispose of battery at the HW facility (Bldg 850 - phone extension 4994).

3.5.6 Mercury Control

Prior to starting work, remove thermostats, switches, and other components that contain mercury. Prior to removal, obtain proper containers from the HW Facility (Bldg. 850).

3.5.7 Petroleum Products

Dispose of petroleum products and oily water at HW Facility (Bldg. 850).

3.5.8 Class I and Class II Ozone Depleting Substances (ODS)

Remove ODS to cylinders. Properly label and deliver to HW Facility (Bldg. 850).

3.6 DUST CONTROL

Keep dust down at all times, including during nonworking periods. Sprinkle or treat, with dust suppressants, the soil at the site, haul roads, and other areas disturbed by operations. Dry power brooming will not be permitted. Instead, use vacuuming, wet mopping, wet sweeping, or wet power brooming. Air blowing will be permitted only for cleaning non particulate debris such as steel reinforcing bars. Only wet cutting will be permitted for cutting concrete blocks, concrete, and bituminous concrete. Do not unnecessarily shake bags of cement, concrete mortar, or plaster.

3.7 NOISE

Make the maximum use of low-noise emission products, as certified by the EPA. Blasting or use of explosives will not be permitted without written permission from the Contracting Officer, and then only during the designated times.

3.8 RESTRICTIONS ON RADIO TRANSMITTER EQUIPMENT

Conform to the restrictions and procedures for the use of radio transmitting equipment, as directed. Do not use transmitter without prior approval of the Contracting Officer.

3.9 CLASS I & II ODS PROHIBITION

Class I ODS as defined and identified herein shall not be used in the

performance of this contract. The Contractor's existing used equipment that contains Class I ODS shall be maintained as specified in this section.

Contractor personnel who utilize substances containing a Class II Ozone depleting substance shall submit a written inventory of Class II products used, MSDSs and intended use of the substance. The Contracting Officer shall approve/disapprove these substances prior to their use.

Contractor using Class II ODS shall track all ODS refrigerant from cradle to "grave" using off-the-shelf refrigerant tracking software that will account for all refrigerant bought, used, and disposed of.

Contractor personnel who remove AD&R systems containing Class I or Class II substances shall also provide documentation in accordance with 40 CFR 82, FGS, and the Montreal Protocol. Contractor personnel shall also provide documentation to the Contracting Officer as to the location of the equipment being removed, make and model number of the recovery/recycling equipment used and the amount and kind of refrigerant used for servicing. The Contractor shall provide certificates for all trained personnel.

## 3.10 CONTRACT COMPLETION/CLOSE-OUT

a. At project completion, remove any hazardous material brought onto the station. Account for the quantity of Hazardous Material (HM) brought to the station, the quantity used or expended during job, and the leftover quantity which (1) may have additional useful life as a HM and shall be removed by the Contractor, or (2) may be a hazardous waste, which shall then be removed as specified herein.

b. The sale of any hazardous material to other Contractors (or Base entity) must be specifically approved in writing by the Contracting Officer prior to the sale.

-- End of Section --